

L3 ANSWER 1 OF 4 CA COPYRIGHT 2004 ACS on STN
 AN 135:9088 CA
 ED Entered STN: 21 Jun 2001
 TI Method and apparatus for producing lightweight cellular **concrete**
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 PA Innovation Holding (U.K.) Limited, UK
 SO Eur. Pat. Appl., 13 pp.
 CODEN: EPXXDW

DT Patent
 LA English
 IC ICM C04B038-10
 ICS C04B028-02; E01C007-14; E01C019-02; B28C005-38; B28C009-04;
 B28C007-06

CC 58-2 (Cement, Concrete, and Related Building Materials)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1103533	A2	20010530	EP 2000-310537	20001128
	EP 1103533	A3	20010801		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	GB 2356628	A1	20010530	GB 1999-28168	19991129
	GB 2356628	B2	20040428		
PRAI	GB 1999-28168	A	19991129		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
EP 1103533	ICM	C04B038-10
	ICS	C04B028-02; E01C007-14; E01C019-02; B28C005-38; B28C009-04; B28C007-06
EP 1103533	ECLA	B01F005/04C14B; B01F005/04C14C; B01F007/08C; B28C005/12F2; B28C005/12F4; B28C005/38B; B28C007/00A2; B28C007/6; B28C009/04F; B28C009/04F2; C04B028/02; C04B038/10; C04B040/00D; E01C011/00B; E01C019/02B
GB 2356628	ECLA	B28C005/38B; B28C007/06; B28C009/04F; C04B028/02; C04B038/10; E01C011/00B; E01C019/02B

AB A process and app. are designated to manuf. a low d. foam **concrete** contg. a recycled, excavated materials. The excavated materials are crushed, graded and used in a ratio of 6:1 with the **cement** with a foaming agent (esp. Zenfoam - a blend of **hydrolyzed protein** and **surfactants**). A preformed foam may be used to obtain a high void vol. and a plasticizer (esp. Zenplus) added to improve fluidity. The foam **concrete** is manufd. on-site on a continuous basis using a mobile **concrete** making vehicle having an elongate tubular mixer into which the components are introduced at selected points along its length, to control the final compn. of the mix. The mixer has internal agitating means that cause backflow to enable the **concrete** to be dispensed directly at ground level.
 ST cellular lightwt **concrete cement** excavated clay
 IT **Concrete**